

## CLAIMS

1. A resin composition for a foam comprising:  
a branched rubbery olefin based soft resin (C)  
5 obtained by a kneading reaction of an organic peroxide crosslinking type olefin based copolymer rubber (A) and an organic peroxide decomposing type crystalline olefin resin (B),  
wherein the organic peroxide crosslinking type olefin  
10 based copolymer rubber (A) is present as a continuous phase as well as the organic peroxide decomposing type crystalline olefin resin (B) is present as a discontinuous phase in its microaggregation structure.
- 15 2. The resin composition for the foam according to claim 1, wherein a combined amount of the organic peroxide crosslinking type olefin based copolymer rubber (A) is 60 parts by weight or more and less than 100 parts by weight based on total 100 parts by weight of the organic peroxide  
20 crosslinking type olefin based copolymer rubber (A) and the organic peroxide decomposing type crystalline olefin resin (B).
3. A foam obtained by foaming a branched rubbery olefin  
25 based soft resin (C) obtained by a kneading reaction of an organic peroxide crosslinking type olefin based copolymer rubber (A) and an organic peroxide decomposing type crystalline olefin resin (B),  
wherein the organic peroxide crosslinking type olefin  
30 based copolymer rubber (A) is present as a continuous phase as well as the organic peroxide decomposing type crystalline olefin resin (B) is present as a discontinuous phase in its microaggregation structure.

4. The foam according to claim 3, wherein the combined amount of the organic peroxide crosslinking type olefin based copolymer rubber (A) is 60 parts by weight or more and less than 100 parts by weight based on total 100 parts by weight of the organic peroxide crosslinking type olefin based copolymer rubber (A) and the organic peroxide decomposing type crystalline olefin resin (B).

10 5. A method for producing a foam comprising:  
a step of preparing a branched rubbery olefin based soft resin (C) obtained by kneading and reacting an organic peroxide crosslinking type olefin based copolymer rubber (A) and an organic peroxide decomposing type crystalline  
15 olefin resin (B) in the presence of an organic peroxide, wherein the organic peroxide crosslinking type olefin based copolymer rubber (A) is present as a continuous phase as well as the organic peroxide decomposing type crystalline olefin resin (B) is present as a discontinuous phase in its  
20 microaggregation structure; and  
a step of foaming the rubbery olefin based soft resin (C).

6. The method for producing the foam according to claim 5,  
25 wherein the combined amount of the organic peroxide crosslinking type olefin based copolymer rubber (A) is 60 parts by weight or more and less than 100 parts by weight based on total 100 parts by weight of the organic peroxide crosslinking type olefin based copolymer rubber (A) and the  
30 organic peroxide decomposing type crystalline olefin resin (B).